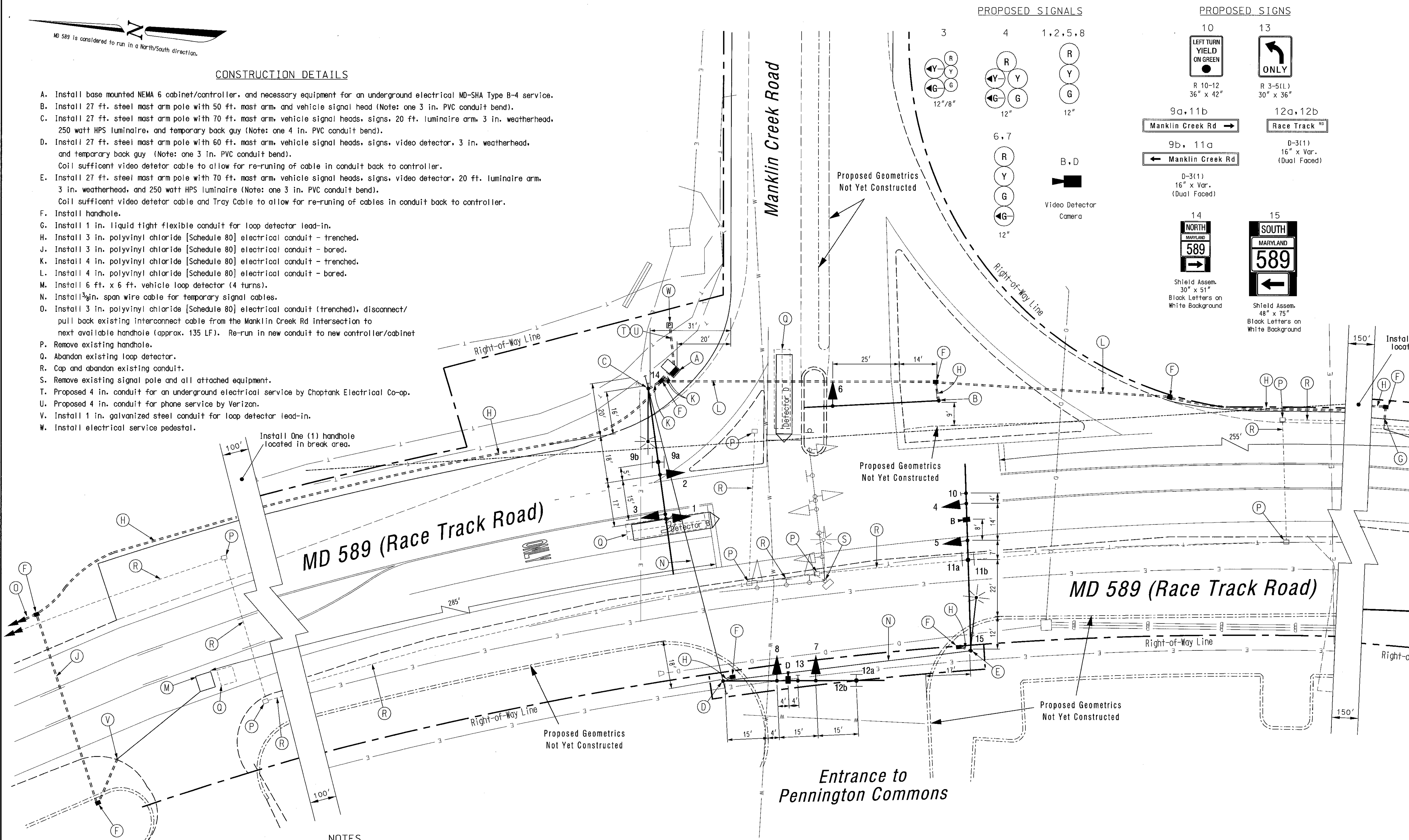
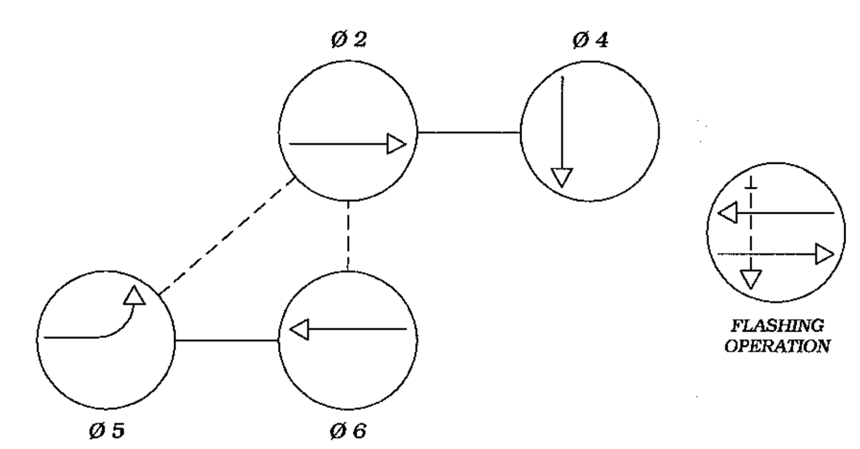


CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground electrical MD-SHA Type B-4 service.
B. Install 27 ft. steel mast arm pole with 50 ft. mast arm, and vehicle signal head (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with 70 ft. mast arm, vehicle signal heads, signs, 20 ft. luminaire arm, 3 in. weatherhead, 250 watt HPS luminaire, and temporary back guy (Note: one 4 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with 60 ft. mast arm, vehicle signal heads, signs, video detector, 3 in. weatherhead, and temporary back guy (Note: one 3 in. PVC conduit bend).
Coil sufficent video detetor cable to allow for re-runing of cable in conduit back to controller.
E. Install 27 ft. steel mast arm pole with 70 ft. mast arm, vehicle signal heads, signs, video detector, 20 ft. luminaire arm, 3 in. weatherhead, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
Coil sufficent video detetor cable and Tray Cable to allow for re-runing of cables in conduit back to controller.
F. Install handhole.
G. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
M. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
N. Install 3/8 in. span wire cable for temporary signal cables.
O. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit (trenched), disconnect/ pull back existing interconnect cable from the Manklin Creek Rd intersection to next available handhole (approx. 135 LF). Re-run in new conduit to new controller/cabinet
P. Remove existing handhole.
Q. Abandon existing loop detector.
R. Cap and abandon existing conduit.
S. Remove existing signal pole and all attached equipment.
T. Proposed 4 in. conduit for an underground electrical service by Choptank Electrical Co-op.
U. Proposed 4 in. conduit for phone service by Verizon.
V. Install 1 in. galvanized steel conduit for loop detector lead-in.
W. Install electrical service pedestal.

EXISTING NEMA PHASING



NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. Pavement markings are to be considered as existing.
4. Revision 'A' is a revision to the traffic signal built in September, 1987 under S.H.A. Contract No.: WO-659-509-185.
5. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
6. Remove all unused wire.

GEOMETRIC LEGEND

Symbol	Meaning
══ ══ ══	EXISTING GEOMETRICS
════════	PROPOSED GEOMETRICS

UTILITY LEGEND

Symbol	Meaning
—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—D—D—	STORM DRAIN
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

MOT– Phase 1 & 2

REVISIONS	APPROVALS
(A) Modifications geometrics, add fourth leg. S.H.A. No.:BW996M82 — 2/3/05 — jjd	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

Revision 'A'

The Traffic Group

The Traffic Group, Inc.
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 589 (Race Track Road) at Manklin Creek Road

DRAWN BY:	S. Baranowski	F.A.P. NO.	N/A	TS NO. 2406A-X1	SHEET NO. 1 OF 4
CHECKED BY:	D. Doda	S.H.A. NO.	WO-659-509-185		
SCALE:	1" = 20'	COUNTY:	Worcester	T.I.M.S. NO. G220	
DATE:	August 24, 1987	LOG MILE:	23058902.12		

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